

ABSTRACT

Disclosed herein is a method and apparatus for mixing compressed video useable in a videoconferencing environment having a plurality of endpoint users. Through the use of the method and apparatus, each endpoint can receive a unique layout displaying some subset of the users at the endpoints. Input streams from each endpoint are uncompressed, resized, and scaled to fit the segment in the layout for particular endpoints, and then encoded (or compressed) by a sub-encoder into a sub-encoded stream according to the compression parameters. Each sub-encoded streams is further encoded and associated with a position in the layout. Different layouts may be sent to different conferees, and different compression standards may be used for each endpoint.